



Montana DNRC – Status Update – Dec. 23, 2019

Project Overview

Aero-Graphics was contracted by the State of Montana DNRC to acquire, process, and deliver aerial LiDAR data and derivative products that adhere to USGS specifications. The assigned project areas cover a total of 18,297 square miles located throughout Montana.

Coordinate System

Horizontal Datum: NAD83

Vertical Datum: NAVD88 (Geoid12b)

Projection: Montana State Plane - FIPS 2500

Units: Horizontal – Int. Foot | Vertical – US Foot

Project Deliverables

- Weekly status reports throughout the project
- Calibrated point cloud in LAS 1.4 format
- Classified point cloud in LAS 1.4 format
- Bare-Earth DEMs at a 3' cell size in TIFF format
- First-Return DEMs at a 3' cell size in TIFF format
- Intensity Imagery at a 3' cell size in GeoTIFF format
- DTM in ESRI Geodatabase and ASCII formats
- 1' and 2' contours in ESRI Geodatabase format
- Ground control and checkpoints in SHP format
- Bathymetric Survey data including cross-section point listing
- MT Licensed Surveyor Certification and Survey Report
- Technical Project Report in PDF format
- FGDC-compliant metadata in XML format

Work Completed: Dec. 16 – Dec. 22, 2019

- Carbon/Stillwater MIP-formatted data delivered to Michael Baker & DNRC
- Treasure (QL1) classification complete

Work Planned: Dec. 23 – Dec. 29, 2019

- Continue classification of Dawson(QL1)
- Treasure (QL1) contour generation in progress

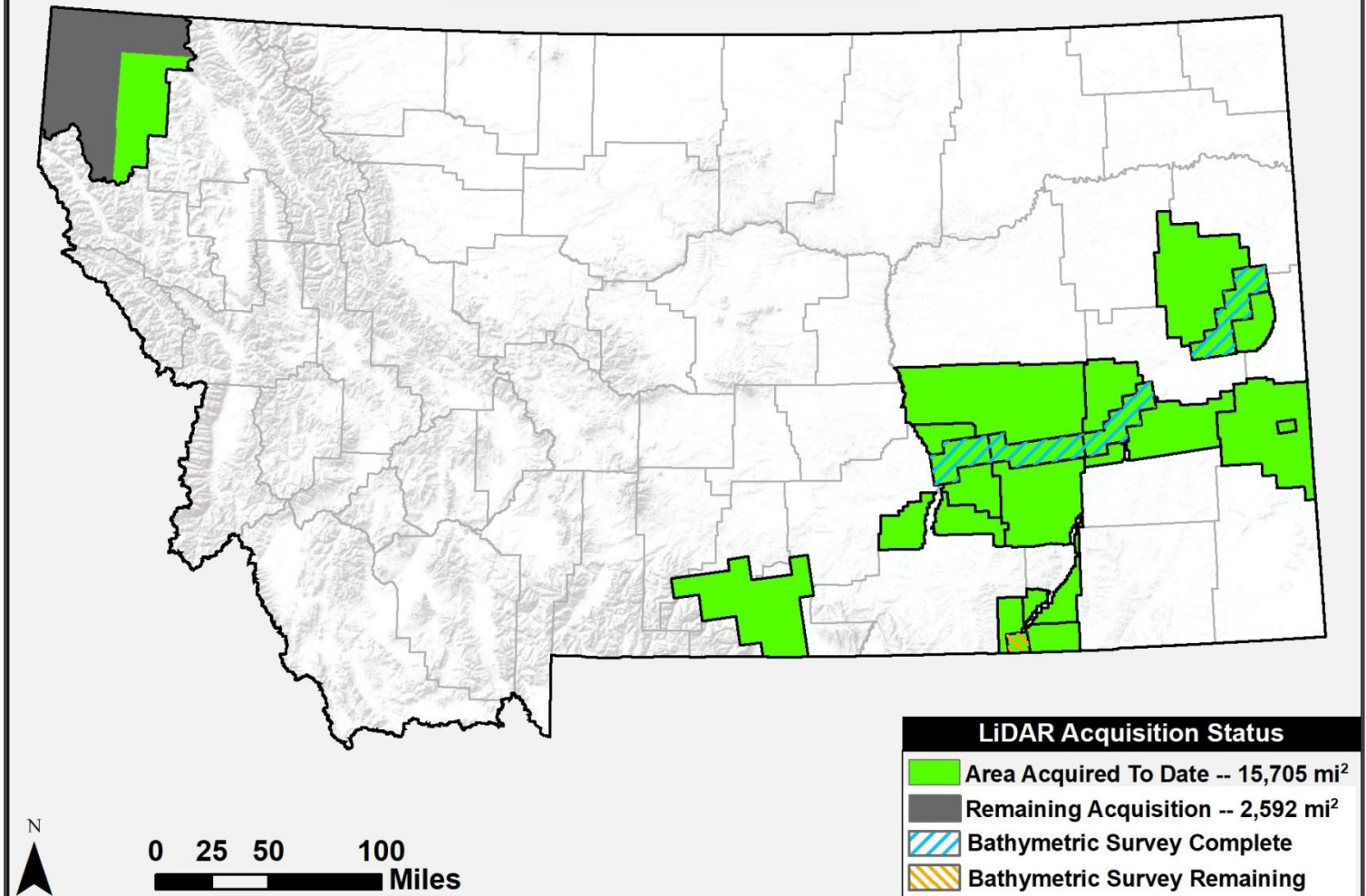
Ongoing Metrics - Summary

- Acquisition 86% complete
- Calibration 80% complete
- Classification 33% complete



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Montana DNRC 2019 LiDAR Acquisition Status



Acquisition Summary: Dec. 16 – Dec. 22, 2019

Flight Dates: --

Total Area Acquired: --

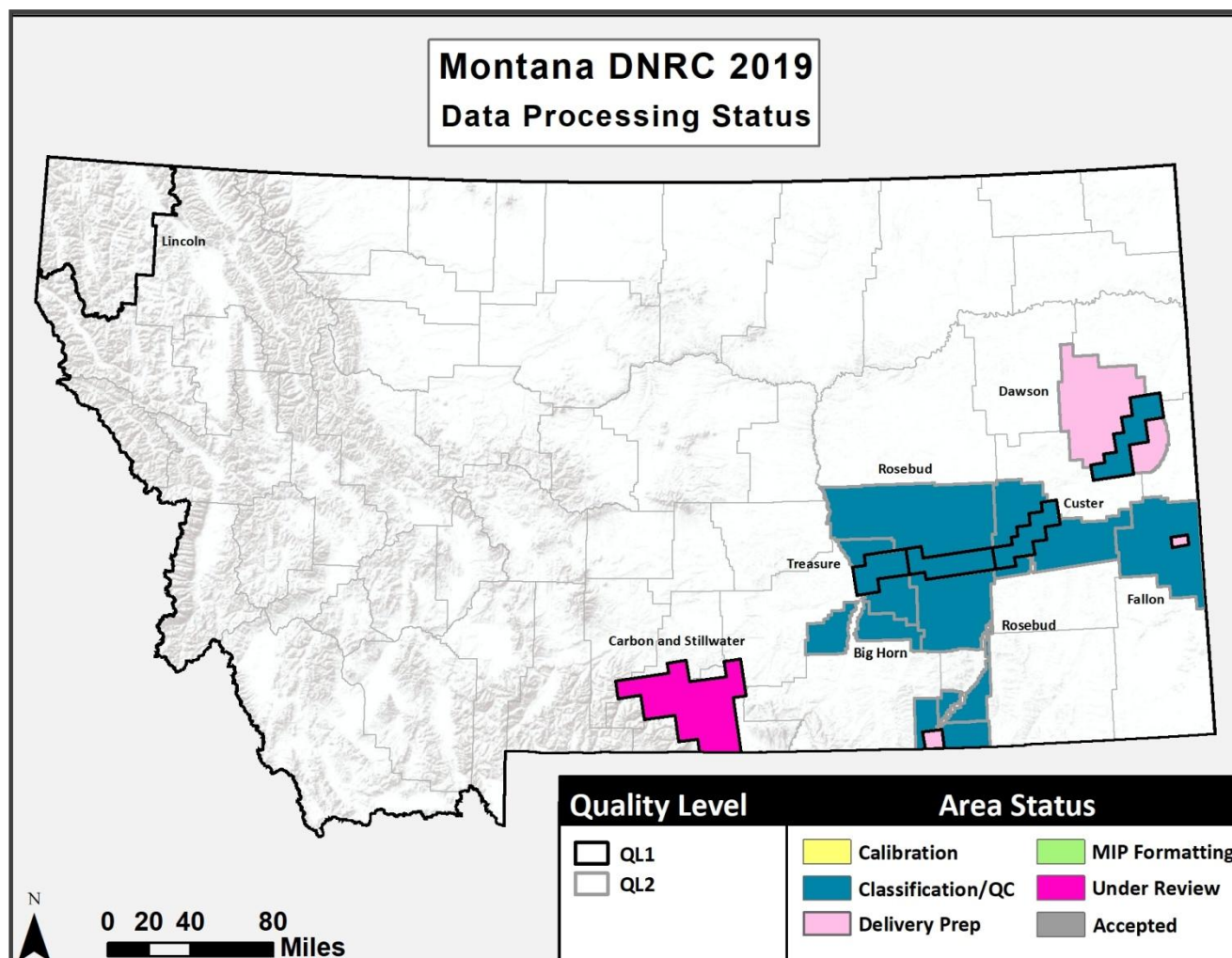
Days on site: --

Days flown: --

Percent of days on site suitable for acquisition: --



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Delivery Schedules

| Draft Data | | | | | |
|--------------------------|-----|------------|-----------------|-----|------------|
| Carbon/Stillwater County | QL1 | Delivered | Lincoln County | QL1 | 09/09/2020 |
| Dawson County | QL1 | 02/27/2020 | Big Horn County | QL1 | Delivered |
| | QL2 | Delivered | | QL2 | 07/22/2020 |
| Fallon County | QL1 | Delivered | Rosebud County | QL1 | 03/31/2020 |
| | QL2 | 06/25/2020 | | QL2 | 08/17/2020 |
| Treasure County | QL1 | 02/06/2020 | Custer County | QL1 | 05/27/2020 |
| | QL2 | 07/02/2020 | | QL2 | 09/25/2020 |

| MIP Formatted Data | | | | | |
|--------------------------|---------|------------|-----------------|---------|------------|
| Carbon/Stillwater County | QL1 | Delivered | Lincoln County | QL1 | 09/16/2020 |
| Dawson County | QL1/QL2 | 03/06/2020 | Big Horn County | QL1/QL2 | 07/29/2020 |
| Fallon County | QL1/QL2 | 07/02/2020 | Rosebud County | QL1/QL2 | 08/24/2020 |
| Treasure County | QL1/QL2 | 07/10/2020 | Custer County | QL1/QL2 | 10/02/2020 |